INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/001815

int.C17	ATION OF SUBJECT MAJTER HOS K 3 / 4 6	(classification and IPC	
B. FIELDS SE			
Minnam docur Int.Cl	entation searched (classification system followed by cla H05K3/46, H01L23/12		
Jitanyo Kokai J	tsuyo Shinan Koho 1971-2005 To	tsayo Shinan Toroku Koho roku Jitsayo Shinan Koho	1996-2005 1994-2005
Electronic data b	ase consulted during the international search (name of d	ata base and, where procticable, search to	rins used)
C DOCUMES	ITS CORSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	proprieto, of the relevant passages	Relevant by claim No.
ā,	JP 2001-217550 A (Thiden Co. 10 August, 2001 (10.08.01), Full text; Fig 9 & US 6534723 Bl & EP	1156525 Al	1-15
À	JP 2003-086948 A (Denso Corp 20 March, 2003 (20.03.03), Full text; Figs. 4 to 6 & US 2002/0076903 Al		1-15
Further de	currents are listed in the continuation of Box C.	See patent family asset.	
to be of pan "It" suffer applifiting date "It" document a cited to est appearal tests "O" document in "It" document in the priority.	gories of cited documents: efining the general state of the art which is not considered iodial resecutes cation or patent but published on or after the international thick may throw doubts on prismity claim(s) or which is which the publication dete of another citation or other as (as specified) ferrong to an oral disclosure, use, exhibition or other means ablished prior to the international filing date but later than fete claimed.	The later document published after the interdete and not in coefficient with the application and not in coefficient with the application of the principle of theory underlying the information of the considered particular relevance; the considered to involve an inventive considered to involve and the considered to the considered to the factories of the same patent if	sion but cited to carbustand recention in med invention campot be fetted to involve an inventive lainted to involve an inventive lainted to involve an inventive lainted to the document is document in the document in an amily
17 May	2005 (17.05.05) g address of the ISA	31 May, 2005 (31.05 Authorized officer	
Japane:	se Patent Office		
Essamile No.		Telephone No.	

Form PCT/ISA/210 (second sheet) (January 2004)

网络圆金织布

国際出版器号 PCT// JP2005/001815

- 英明の展する分野の分類 (国際特許分類 (IPC)) Α. MLCL HOSK 3/46, HOLL 23/12

調査を行った分野

調査を行った最小限資料(国際特許分類(LPC))

Im.CL H05K 3/46, H01L23/12

最小限資料以外の資料で調査を行った分野に含まれるもの

日本国実用新聚公報 日本四公開業用新衛公報 1922-1996年 1971-2005年

日本国家用新常数的公积 日本国際級業用新寨公報 1998-2005 1994-2005年

国際観告で使用した電子データベース (データベースの名称、調査に使用した用語)

引用文献の カテゴリーキ	引用文献名 及び一部の箇所が別案するときは、その関連する箇所の:表示	別達する 資水の低距の番号
A	JP 2001-217550 A (イビデン株式会社) 2001. 08. 10, 全文, 図9 & US 6534723 B1, EP 1156525 A1	1-15
Α	JP 2003-086948 A (株式会社デンソー) 2003.03.20,全文、図4〜図6 & US 2002/0076903 A1	1-15

C機の続きにも文献が列挙されている。

プラントファミリーに関する別級を参照。

- 引用文献のカテゴリー
- 「A」特に関連のある文献ではなく。一般的技術水準を示す。「T」国際出版日又は優先日-後に公表された文献であって \$ 30
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- 「Y」特に関連のある文献であって、当該文献と他の1以 上の文献との、当業者にとって自用である組合せに よって選歩性がないと考えられるもの
- 「&」同一バテントファミリー文献

国際顕文を完了した日 国際調査報告の発送日 **31**. 5. 2005 17.05.2005 8811 国際総直撤回の名称及びあて先 特別庁署五官(権限のある職員) 日本国特許庁(ISA/JP) 長器 器二部 **郵便番号100-8915** 東京都千代田区部が開三丁目4番3分 電影報号 03-3581-1101 内線 3391

様式PCT/ISA/210 (第2ページ) (2004年1月)

PATENT COOPERATION TREATY

rom the Japan Patent Office (IN	TERNATIONAL SEARCHING	AUTHORITY)				
To: Agent for Applicant Mr. Hajime OHARA		PCT				
Address: Shinkon Building 5th floor, 14-14, Shinyokohama 2- chome, Kouhoku-ku, Yokohama City, Kanagawa 222- 0033, Japan		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (Implementing Regulation 40 bis) (PCT Rule 43bis.1)				
		Date of mailing (day/month/year)	31, 5, 2005			
Applicant's or agent's file refers		FOR FURTHER /	CTION			
M5160510			See paragraph 2 below			
International application No.	International filing (tate (day/month/year)	Priority date (day/n			
PCT/JP2005/001815	08, 02, 2005		06, 04, 2004			
International Patent Classificati		/46, H01L23/12				
Applicant						
Murata Manufacturi	ng Co., Ltd.					
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This opinion contains indic	ations relating to the following i					
	of the opinion					
O Box No. II Prior						
	establishment of opinion with re	gard to novelty, inventi	ve step and industrial a	pplicability		
D Box No. IV Lack	of unity of invention					
	oned statement under Rule 43 <i>60</i> cability, citations and explanatio			or industrial		
🔲 Box No. VI — Centa	in documents cited					
🔲 Box No. VII — Certa	in defects in the international ap	plication				
🗆 Box No. VIII Certa	in observations on the internatio	nai application				
2. FURTHER ACTION						
International Preliminary E Authority other than this or	al preliminary examination is ma xamining Authority ("IPEA") ex to be the IPEA and the chosen i International Searching Authori	cept that this does not: IPEA has notified the	apply where the applicationernational Bureau ur	int chooses an		
IPEA a written reply togeth	ed above, considered to be a writ er, where appropriate, with anier 220 or before the expiration of 2	odments, before the exp	riration of 3 months fro	m the date of		
For further options, see For	m PCT/ISA/220					
3. For further details, see note	ss to Form PCT/ISA/220					
Date of completion of this opin						
Name and mailing address of the	17, 05, 2005 ve ISA/IP	Authorized offic	.av	35 8811		
Japan P	atent Office	Youjiro NA	GAYA	L		
3-4-3, Kasumigaseki, Chiyoda-	au, 10850 021-8713, 18588	retepnone No. (03-3581-1101 Ext. 339			

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2005/001815

Box No.	I Ba	isis of this	opinion		*****************	***************************************				
l. With whic	regard to the	e language i, unless of	e, this opinic therwise ind	n has been leated unde	established o	n the basis	of the interna	tional ap	oplication in th	e language in
	This opinion language (under Rules		, which i	m the basis s the langu	the basis of a translation from the original language into the following the language of a translation furnished for the purpose of international search into acid sequence disclosed in the international application and necessary to the established on the basis of: ation as filed. application in computer readable form, ority for the purposes of search. one version or copy of a sequence listing and/or table relating thereto has been ents that the information in the subsequent or additional copies is identical to that go beyond the application as filed, as appropriate, were furnished.					
2. With clain	regard to an ned invention	y nucleoti n, this opir	de and/or a tion has bee	mino acid a establishe	sequence dis- al on the basic	closed in th s of:	e internation.	d applica	ic relating thereto has been mad copies is identical to that ere furnished.	
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4. Additi	ional comme	mu.								

WRITTEN OPINION OF THE

International application No. PCT/JP2005/001815

Box No. V	Reasoned statement (applicability; citation	under Rule 43bis.l is and explanation	(a)(i) with regard t s supporting such :	o novelty, inve tatement	ntive step or in	dostrial
i. Statem	ent					
	ovelty (N)	Claims	1-15			YES
* 1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		***************************************			
			1-15			
(33	rvemive step (IS)					
Į,	idustrial applicability (IA)	Claims	1-15			YES
		Claims				NO
Citatio	ns and explanations:					
Docum	est I: JP 2001-217550 A (IB	SIDEN CO., LTD.)	2001, 08, 10, Fig. 9			
Docum	ин 2: - JP 2003-086948 A (D	ENSO CORPORA	rion) 2003, 03, 20,	Fig. 4 to Fig. 6		
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cited in directio	he invention according to Clai the international search repor in farther from the other via co	 A continuous vi inductor is not disc. 	a conductor dispose	d extending fro	im one of via co	aductors in a
not obv	vious to even a person skilled i	n ine art.				